

ASTHMA FACT SHEET: NORTHWEST REGION (2003-2004)

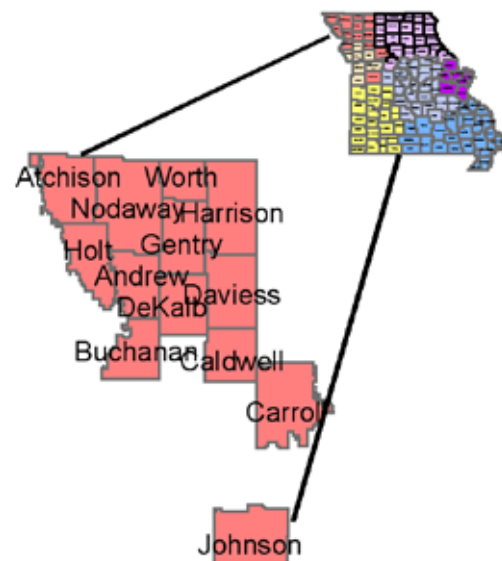
Age-adjusted Asthma Emergency Department Visit Rates by County, Northwest Missouri 2003

County	Rate per 1,000
Andrew	3.1
Atchison	4.1
Buchanan	7.1*
Caldwell	2.9
Carroll	2.6
Daviess	3.9
DeKalb	2.0
Gentry	5.1
Harrison	2.8
Holt	6.1
Johnson	3.9
Nodaway	3.8
Worth	NC
Region	4.7
State	5.6

NC =Sample size was not sufficient for rate calculation
*=Statistically significantly higher than the state rate

PREVALENCE

- Based on 2004 estimates, over 12,000 adults and over 7,000 children under 18 years of age in the northwest region are currently living with asthma
- Current asthma prevalence among adults living in the northwest region was 6.7%, compared to 9.1% for adults in the entire state*
- Current asthma prevalence among children was 10.2%, compared to 8.0% for all children living in Missouri**



ASTHMA EMERGENCY DEPARTMENT VISITS

There were 1,131 emergency department (ED) visits in the northwest region in 2003

- The age-adjusted asthma ED visit rate was 4.7 per 1,000 persons, which was lower than the state rate (5.6 per 1,000)**
- See table at left for ED visit rates by county
- Children accounted for 37.3% all asthma ED visits in this region, compared to 45.0% for the state as a whole
- African Americans made up only 3.4% of the region's population, but accounted for 9.6% of all asthma ED visits
- ED visit rates were higher among females than males**

ASTHMA HOSPITALIZATIONS

There were 318 hospitalizations in the northwest region in 2003

- The age-adjusted asthma hospitalization rate was 13.3 per 10,000, which was lower than the state rate (13.9 per 10,000)*
- Children accounted for 25.8% of all asthma hospitalizations in this region, compared to 36.7% for the state as a whole
- African Americans made up only 3.4% of the region's population, but accounted for 6.6% of all asthma hospitalizations
- Asthma led to 992 days of hospital care
- Charges totaled \$2.3 million for asthma hospitalizations

*Differences were not statistically significant

**Differences were statistically significant

Note: Emergency department and hospitalization rates have been age adjusted based on the US 2000 standard population; county and regional data are reported by patient residence.

Data Sources

Prevalence Data: Missouri Department of Health and Senior Services. Missouri Behavioral Risk Factor Surveillance System, 2004.

ED and Hospitalization Data: Missouri Department of Health and Senior Services — Bureau of Health Informatics. Missouri Information for Community Assessment (MICA). Accessed August 1, 2005. <http://www.health.state.mo.us/MICA/>

Population Data: Missouri Census Data Center. 2003 Population Estimates for Missouri and the United States. <http://mcdc2.missouri.edu/trends/estimates.shtml>